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OM nucleic - nucleic search, using sw model

Run on: June 17, 2003, 11:18:58 ; Search time 63.972 Seconds  
(without alignments)  
5580.127 Million cell updates/sec

Title: US-09-807-933B-10  
Perfect score: 1164  
Sequence: 1 atgaagttcacctgctat.....caggttcgcaagaagataa 1164

Scoring table: IDENTITY\_NNC  
Gapop 10.0, Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents\_NA:\*  
1: /cgn2\_6/prodata/1/ina/5A\_COMB.seq:\*  
2: /cgn2\_6/prodata/1/ina/5B\_COMB.seq:\*  
3: /cgn2\_6/prodata/1/ina/6A\_COMB.seq:\*  
4: /cgn2\_6/prodata/1/ina/6B\_COMB.seq:\*  
5: /cgn2\_6/prodata/1/ina/PCTUS\_COMB.seq:\*  
6: /cgn2\_6/prodata/1/ina/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	221.4	19.0	984	4 US-09-230-665-7	Sequence 7, Appl1
2	221.4	19.0	1473	1 US-08-090-013-3	Sequence 3, Appl1
3	221.4	19.0	1473	1 US-08-081-328-3	Sequence 3, Appl1
4	221.4	19.0	1473	1 US-08-232-249-3	Sequence 3, Appl1
5	221.4	19.0	1473	2 US-08-833-642A-3	Sequence 3, Appl1
6	221.4	19.0	1473	2 US-08-389-423-3	Sequence 3, Appl1
7	221.4	19.0	1473	4 US-09-230-665-3	Sequence 3, Appl1
8	221.4	19.0	1473	4 US-09-189-028-3	Sequence 3, Appl1
9	207.4	17.8	1423	3 US-08-651-136C-9	Sequence 9, Appl1
10	207.4	17.8	1423	4 US-09-229-911A-9	Sequence 9, Appl1
11	204	17.5	912	4 US-09-189-0608-71	Sequence 71, Appl1
12	202.8	17.4	919	4 US-09-189-0608-67	Sequence 67, Appl1
13	200.6	17.2	924	4 US-09-189-0608-69	Sequence 69, Appl1
14	188	16.2	922	4 US-09-189-0608-73	Sequence 73, Appl1
15	186.8	16.0	922	4 US-09-189-0608-65	Sequence 65, Appl1
16	186	16.0	1154	3 US-08-651-136C-7	Sequence 7, Appl1
17	186	16.0	1154	4 US-09-229-911A-7	Sequence 7, Appl1
18	184	15.8	1174	2 US-08-872-437-1	Sequence 1, Appl1
19	184	15.8	1174	3 US-08-651-136C-11	Sequence 11, Appl1
20	184	15.8	1174	4 US-09-229-911A-11	Sequence 11, Appl1
21	179.4	15.4	807	4 US-09-230-665-5	Sequence 5, Appl1
22	179.4	15.4	1060	1 US-08-090-013-1	Sequence 1, Appl1
23	179.4	15.4	1060	1 US-08-081-328-1	Sequence 1, Appl1
24	179.4	15.4	1060	1 US-08-232-249-1	Sequence 1, Appl1
25	179.4	15.4	1060	2 US-08-921-426-7	Sequence 7, Appl1
26	179.4	15.4	1060	2 US-08-833-642A-1	Sequence 1, Appl1
27	179.4	15.4	1060	2 US-08-140-008A-3	Sequence 3, Appl1

28	179.4	15.4	1060	2 US-08-389-423-1	Sequence 1, Appl1
29	179.4	15.4	1060	3 US-08-816-915-7	Sequence 7, Appl1
30	179.4	15.4	1060	4 US-09-189-0608-55	Sequence 55, Appl1
31	179.4	15.4	1060	4 US-09-230-665-1	Sequence 1, Appl1
32	179.4	15.4	1060	4 US-09-189-028-1	Sequence 1, Appl1
33	179.4	15.4	1060	5 PCT-US95-07743-7	Sequence 7, Appl1
34	179.2	15.4	808	3 US-08-651-136C-15	Sequence 15, Appl1
35	179.2	15.4	808	4 US-09-229-911A-15	Sequence 15, Appl1
36	179	15.4	894	3 US-08-651-136C-3	Sequence 3, Appl1
37	179	15.4	894	4 US-09-229-911A-3	Sequence 3, Appl1
38	179	15.4	927	3 US-08-651-136C-5	Sequence 5, Appl1
39	179	15.4	927	4 US-09-229-911A-5	Sequence 5, Appl1
40	179	15.4	960	3 US-08-651-136C-1	Sequence 1, Appl1
41	179	15.4	960	4 US-09-229-911A-1	Sequence 1, Appl1
42	178.4	15.3	1031	3 US-08-651-136C-19	Sequence 19, Appl1
43	178.4	15.3	1031	4 US-09-229-911A-19	Sequence 19, Appl1
44	178.4	15.3	1048	3 US-08-651-136C-17	Sequence 17, Appl1
45	178.4	15.3	1048	4 US-09-229-911A-17	Sequence 17, Appl1

ALIGNMENTS

RESULT 1  
US-09-230-665-7  
; Sequence 7, Application US/09230665  
; Patent No. 6132595  
; GENERAL INFORMATION:  
; APPLICANT: Boyer, Stanton L.  
; TITLE OF INVENTION: Detergent Composition Comprising Two Cellulase  
; FILE REFERENCE: 6191 Sequence Listing (8 Sequences)  
; Patent No. 6132595  
; CURRENT APPLICATION NUMBER: US/09/230,665  
; CURRENT FILING DATE: 1999-01-29  
; EARLIER APPLICATION NUMBER: 60/023,125  
; EARLIER FILING DATE: 1996-07-30  
; NUMBER OF SEQ ID NOS: 8  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 7  
; LENGTH: 984  
; TYPE: DNA  
; ORGANISM: Unknown Organism  
; FEATURE:  
; OTHER INFORMATION: Description of Unknown Organism: Organism encoding  
; NAME/KEY: CDS  
; LOCATION: (97) .. (735)  
US-09-230-665-7  
Query Match 19.0%; Score 221.4; DB 4; Length 984;  
Best Local Similarity 63.9%; Pred. No. 1.7e-58;  
Matches 371; Conservative 0; Mismatches 201; Indels 9; Gaps 2;  
QY 547 TCTGCAAGGCTGTCACCACTGTTATGGAATGTTGAAGCTTCTGACAGTGGCT 606  
DB 151 TCTGCAAGGCTGTCACCTGTCATGATGATGATGTCAGAGCTTCTGCTGGAGC 210  
QY 607 GGAAGCTTCTGTCACCTGCTGTTGACACCTGTCCTCCAAATGTAATCTTTATTA 666  
DB 211 GGAAGCTGCTGTCACAGCCCTGCTTAACTTGATGAAGACACCAACCCATTTC 270  
QY 667 GATGCCAATGCTCAAGTGTGTA---CGTGTGAATGTTTCAATGTTGAACAACAC 723  
DB 271 AACACCAATGCTCAACGCTGTGAGGCTGCTGCTTATGCTTACCTGACCAACATC 330  
QY 724 CAACCTGGAGCTGTCATGATGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 783  
DB 331 TCTCCCTGGAGCTGTCATGATGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCT 390  
QY 784 TCCACGAAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 843



REFERENCE/DOCKET NUMBER: CM356M  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 513-627-2885  
 TELEFAX: 513-627-0318  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1473 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: unknown  
 TOPOLOGY: unknown  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 97..1224  
 US-08-081-328-3

Query Match 19.0%; Score 221.4; DB 1; Length 1473;  
 Best Local Similarity 63.9%; Pred. No. 2.1e-58;  
 Matches 371; Conservative 0; Mismatches 201; Indels 9; Gaps 2;

QY 547 TCTGCAAGTGTTCACCACTCGTTATTTGGGATTTGTAAGCTTCTTGACAGTGGCT 606  
 DB 151 TCTGGAAGCGGTACTCTACTCAATCTGGGATTTGTCAGAGCTTCTTGCTTGAGC 210  
 QY 607 GGAAGAGCTTCTGCACTGGTCTGTTGACACCTGCTCCAAATGTAATCTTTATTA 666  
 DB 211 GGAAGAGCTGCTGCAAGCCCTGCTTAACTTGTGATAGAACACCAACCCCATTTCC 270  
 QY 667 GATGCCAATGCTCAAAAGTGTGTA--CGTGTGTAATGTTTCAATGTGTAACAAC 723  
 DB 271 AACACCAATGCTCTCAACGGTGTGAGGCTGTGCTTATGCTTGACCAACTAC 330  
 QY 724 CAACCTTGGGCTGTCATATGATAGCTCGCTTACGGTTTGGCTGCTCTATTTGCTGC 783  
 DB 331 TCTCCCTGGGCTGTCAACGATGAGCTTGCTTACGGTTTCTGTCTAACAAATCTCGGT 390  
 QY 784 TCCAAAGAGCTGATGATGTTGTGCTGTTATGAATTGACCTTCTTGCGCTGCT 843  
 DB 391 GGTCCGAGGCGAGCTGTGTCTGTGCTATGCTTATGCTTGAACCTTCAACACTGGCCCCGTC 450  
 QY 844 TCTGGAAGAAGATGTTGTTCAAGTTAACCAACCGGTGCGAATTAAGCTTAAAC 903  
 DB 451 AAGGGCAAGAAGATGATCGTCCAGTCCACCAACAGTGAATCTCGGCGAACAC 510  
 QY 904 TTTGATTTGCAATGCGCGGTGTTGGTGTGATCTTCAATGGCTGTGCTGTCATAG 963  
 DB 511 TTGATCTCATGATGCGCGGTGTTGGTGTGATCTTCAACGCTGCACTCTGAGTTC 570  
 QY 964 GCGCTCCCAATGATGCTGGGAGCTAGATATGTTGCTCACTCTGTCTGACTGT 1023  
 DB 571 GG-----CAAGGCTCTCGCGGTGCGGAGTACGAGGCGGTATCTCTCCGAAGCGATGT 624  
 QY 1024 GCGCTCTCTCTCTGCTGCTTCAAGCTGTGTTAAATGAGATTCAAGTGTGTAAGAAC 1083  
 DB 625 GATAGTACCCCGAGCTTCTCAAGAGCGGTGCGACATGCGATTCGATGCTTGAGAAC 684  
 QY 1084 TCTGATTAACCTTCAACATGACCTTCAAGAGTAACTGTCTC 1124  
 DB 685 GCGGCAACCTTCACTTCACTTTGAGACAGTTCAGTCCG 725

## RESULT 4

US-08-232-249-3  
 Sequence 3, Application US/08232249  
 Patent No. 5610129  
 GENERAL INFORMATION:  
 APPLICANT: MCCORQUODALE, FINLAY (NMN)  
 TITLE OF INVENTION: BUSCH, ALFRED (NMN)  
 NUMBER OF SEQUENCES: 4  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: THE PROCTER & GAMBLE COMPANY  
 STREET: 5299 SPRING GROVE AVENUE  
 CITY: CINCINNATI

STATE: OHIO  
 COUNTRY: USA  
 ZIP: 45217  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/232,249  
 FILING DATE: 05-May-1994  
 CLASSIFICATION: 510  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: EP 91202882.6  
 FILING DATE: 06-NOV-91  
 ATTORNEY/AGENT INFORMATION:  
 NAME: ALLEN, GEORGE W.  
 REGISTRATION NUMBER: 26,143  
 REFERENCE/DOCKET NUMBER: CM-395  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 513-627-5946  
 TELEFAX: 513-627-8118  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1473 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: unknown  
 TOPOLOGY: unknown  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 97..1224  
 US-08-232-249-3

Query Match 19.0%; Score 221.4; DB 1; Length 1473;  
 Best Local Similarity 63.9%; Pred. No. 2.1e-58;  
 Matches 371; Conservative 0; Mismatches 201; Indels 9; Gaps 2;

QY 547 TCTGCAAGTGTTCACCACTCGTTATTTGGGATTTGTAAGCTTCTTGACAGTGGCT 606  
 DB 151 TCTGGAAGCGGTACTCTACTCAATCTGGGATTTGTCAGAGCTTCTTGCTTGAGC 210  
 QY 607 GGAAGAGCTTCTGCACTGGTCTGTTGACACCTGCTCCAAATGTAATCTTTATTA 666  
 DB 211 GGAAGAGCTGCTGCAAGCCCTGCTTAACTTGTGATAGAACACCAACCCCATTTCC 270  
 QY 667 GATGCCAATGCTCAAAAGTGTGTA--CGTGTGTAATGTTTCAATGTGTAACAAC 723  
 DB 271 AACACCAATGCTCTCAACGGTGTGAGGCTGTGCTTATGCTTGACCAACTAC 330  
 QY 724 CAACCTTGGGCTGTCATATGATAGCTCGCTTACGGTTTGGCTGCTCTATTTGCTGC 783  
 DB 331 TCTCCCTGGGCTGTCAACGATGAGCTTGCTTACGGTTTCTGTCTAACAAATCTCGGT 390  
 QY 784 TCCAAAGAGCTGATGATGTTGTGCTGTTATGAATTGACCTTCTTGCGCTGCT 843  
 DB 391 GGTCCGAGGCGAGCTGTGTCTGTGCTATGCTTATGCTTGAACCTTCAACACTGGCCCCGTC 450  
 QY 844 TCTGGAAGAAGATGTTGTTCAAGTTAACCAACCGGTGCGAATTAAGCTTAAAC 903  
 DB 451 AAGGGCAAGAAGATGATCGTCCAGTCCACCAACAGTGAATCTCGGCGAACAC 510  
 QY 904 TTTGATTTGCAATGCGCGGTGTTGGTGTGATCTTCAATGGCTGTGCTGTCATAG 963  
 DB 511 TTGATCTCATGATGCGCGGTGTTGGTGTGATCTTCAACGCTGCACTCTGAGTTC 570  
 QY 964 GCGCTCCCAATGATGCTGGGAGCTAGATATGTTGCTCACTCTGTCTGACTGT 1023  
 DB 571 GG-----CAAGGCTCTCGCGGTGCGGAGTACGAGGCGGTATCTCTCCGAAGCGATGT 624  
 QY 1024 GCGCTCTCTCTCTGCTGCTTCAAGCTGTGTTAAATGAGATTCAAGTGTGTAAGAAC 1083  
 DB 625 GATAGTACCCCGAGCTTCTCAAGAGCGGTGCGACATGCGATTCGATGCTTGAGAAC 684



ORGANISM: Fusarium oxysporum  
STRAIN: DSM 2672  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 97.1224  
US-08-389-423-3

Query Match 19.0%; Score 221.4; DB 2; Length 1473;  
Best Local Similarity 63.9%; Pred. No. 2.1e-58;  
Matches 371; Conservative 0; Mismatches 201; Indels 9; Gaps 2;

QY 547 TCTGCAAGGTTTCACAACTGTTATGGATTGTGTAAGCTTCTTGACCTGAGCTT 606  
DB 151 TCTGGAAGCGGTCACTCACTGATCTGGAATGCGCAAGCTTCTTGCTTGAGAC 210  
QY 607 GGAAGAGCTTCTGCTCACTGCTGCTGTTGACACCTGCGCTCAATGTAATCTTTATTA 666  
DB 211 GGAAGAGCTGCTGCTCAACCGCTGCTTAACTTGATAGAACACCAACCCCATTTCC 270  
QY 667 GATGCAATGCTCAAGTGGTTGTA---CGTGTAATGTTTCAATGTTAACAACAAC 723  
DB 271 AACACCAATGCTCAACGTTGATGAGGTTGCTTATGCTTATGCTTACCAACTAC 330  
QY 724 CAACCTTGGGCTGCTCAATGATGAGCTTACGTTACGTTGCTGCTGCTTATTTGCTGC 783  
DB 331 TCTCCCTGGGCTGCTCAACGATGAGCTTGGCTTACGTTGCTGCTCAACGATCTCCGGT 390  
QY 784 TCCAAAGAGCTGATGATGTTGTGCTGTTATGAAATGACCTTCACTTGTGCGCTGCT 843  
DB 391 GGTCTCGAGGCGACGCTGCTGCTGCTGCTTATGCTTGAACCTTCAACCACTGCGCCGCTC 450  
QY 844 TCTGAAAGAGATGATGTTGTTCAAGTTACCAACACCGGTGGGATTTAGGCTTAAACAC 903  
DB 451 AAGGCAAGAGATGATGCTGCTCAAGTCCACCAACACTGAGATGATCTCGGCAACACAC 510  
QY 904 TTTGATTTGCAAAATGCCCGGTGCTGCTGATCTTCAATGCTGCTGCTCAATG 963  
DB 511 TTTGATCTCATGATGCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 570  
QY 964 GGGCTCCCAATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1023  
DB 571 GG-----CAAGGCTCTCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 624  
QY 1024 GCCTCTCTTCCCTGCTGCTTCAAGCTGTTGTAATGAGATTTCAACTGCTTCAAGAAC 1083  
DB 625 GATAGCTACCCGAGCTTCTCAAGAGAGCTTGCCTGCGGATTCAGCTGCTTCAAGAAC 684  
QY 1084 TCTGATTAACCTTACATGACCTTCAAGGAGTTACCTGCTC 1124  
DB 685 GCCGACACCTGATCTTCACTTTGAGCAGGTTCAAGTCC 725

RESULT 7  
US-09-230-665-3  
Sequence 3, Application US/09230665  
Patent No. 6322595  
GENERAL INFORMATION:  
APPLICANT: Boyer, Stanton L  
TITLE OF INVENTION: Detergent Composition Comprising Two Cellulase  
TITLE OF INVENTION: Components, with and without a Cellulose-Binding Domain  
FILE REFERENCE: 6191 Sequence Listing (8 Sequences)  
Patent No. 6322595  
CURRENT APPLICATION NUMBER: US/09/230,665  
CURRENT FILING DATE: 1999-01-29  
EARLIER APPLICATION NUMBER: 60/023,125  
NUMBER OF SEQ ID NOS: 8  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 3  
LENGTH: 1473  
TYPE: DNA  
ORGANISM: Fusarium oxysporum  
FEATURE:

NAME/KEY: CDS  
LOCATION: (97) .. (1224)  
US-09-230-665-3

Query Match 19.0%; Score 221.4; DB 4; Length 1473;  
Best Local Similarity 63.9%; Pred. No. 2.1e-58;  
Matches 371; Conservative 0; Mismatches 201; Indels 9; Gaps 2;

QY 547 TCTGCAAGGTTTCACAACTGTTATGGATTGTGTAAGCTTCTTGACCTGAGCTT 606  
DB 151 TCTGGAAGCGGTCACTCACTGATCTGGAATGCGCAAGCTTCTTGCTTGAGAC 210  
QY 607 GGAAGAGCTTCTGCTCACTGCTGCTGTTGACACCTGCGCTCAATGTAATCTTTATTA 666  
DB 211 GGAAGAGCTGCTGCTCAACCGCTGCTTAACTTGATAGAACACCAACCCCATTTCC 270  
QY 667 GATGCAATGCTCAAGTGGTTGTA---CGTGTAATGTTTCAATGTTAACAACAAC 723  
DB 271 AACACCAATGCTCAACGTTGATGAGGTTGCTTATGCTTATGCTTACCAACTAC 330  
QY 724 CAACCTTGGGCTGCTCAATGATGAGCTTACGTTACGTTGCTGCTGCTTATTTGCTGC 783  
DB 331 TCTCCCTGGGCTGCTCAACGATGAGCTTGGCTTACGTTGCTGCTCAACGATCTCCGGT 390  
QY 784 TCCAAAGAGCTGATGATGTTGTGCTGTTATGAAATGACCTTCACTTGTGCGCTGCT 843  
DB 391 GGTCTCGAGGCGACGCTGCTGCTGCTGCTGCTTATGCTTGAACCTTCAACCACTGCGCCGCTC 450  
QY 844 TCTGAAAGAGATGATGTTGTTCAAGTTACCAACACCGGTGGGATTTAGGCTTAAACAC 903  
DB 451 AAGGCAAGAGATGATGCTGCTCAAGTCCACCAACACTGAGATGATCTCGGCAACACAC 510  
QY 904 TTTGATTTGCAAAATGCCCGGTGCTGCTGATCTTCAATGCTGCTGCTCAATG 963  
DB 511 TTTGATCTCATGATGCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 570  
QY 964 GGGCTCCCAATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1023  
DB 571 GG-----CAAGGCTCTCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 624  
QY 1024 GCCTCTCTTCCCTGCTGCTTCAAGCTGTTGTAATGAGATTTCAACTGCTTCAAGAAC 1083  
DB 625 GATAGCTACCCGAGCTTCTCAAGAGAGCTTGCCTGCGGATTCAGCTGCTTCAAGAAC 684  
QY 1084 TCTGATTAACCTTACATGACCTTCAAGGAGTTACCTGCTC 1124  
DB 685 GCCGACACCTGATCTTCACTTTGAGCAGGTTCAAGTCC 725

RESULT 8  
US-09-189-028-3  
Sequence 3, Application US/09189028  
Patent No. 6423524  
GENERAL INFORMATION:  
APPLICANT: Rasmussen, Grethe  
APPLICANT: Mikkelson, Jan Moller  
APPLICANT: Schultze, Martin  
APPLICANT: Packard, Shankant A.  
TITLE OF INVENTION: A Cellulase Preparation Comprising an  
TITLE OF INVENTION: Endoglucanase Enzyme  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSER: No. 64235240 No. 6423524disk of No. 6423524th America, Inc.  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS





QY 787 AACGAAGCTGATGATGTTGCTGTTAATGACCTTCACTTGGCGCTGCTCT 846  
DB 413 ACTGAGGGGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 472  
QY 847 GGAAGAAGATGATGTTTCAAGTTACCAACCGGCGGATTTAGGCTTCAACTT 906  
DB 473 GGCAGAGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 532  
QY 907 GATTTCGAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 966  
DB 533 GACCTGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 592  
QY 967 GCTCCCAATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1026  
DB 593 CAACCTTCTCCGCGC-----GAGCTTACGAGGATGTTTCTCCGCTTCAATGCT 646  
QY 1027 TCTCTTCCCTGCTGCTTCAAGCTGCTGTTTAAATGAGATTCACTGTTCAAGAACTCT 1086  
DB 647 GGCATGCGCGAGCTCTTGAAGAAGCGTTGCGATGGGCTTGCAGCTGTTCAAGAACTCA 706  
QY 1087 GATTAACCTTACATGATGCTTCAAGAAAGTTACCTGCTGCTGCTGCTGCTGCTGCTGCT 1146  
DB 707 GACCAACCTTGACATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 766  
QY 1147 GGTTCGCG 1153  
DB 767 GGGTGGC 773

## RESULT 10

US-09-229-911A-9  
Sequence 9, Application US/09229911A  
Patent No. 6387690

## GENERAL INFORMATION:

APPLICANT: Schullein, Martin  
Andersen, Lene N.  
Lassen, Soren F.  
Kauppinen, Markus S.  
Lange, Lene  
Nielsen, Ruby I.  
Ihara, Michiko  
Takagi, Shinobu  
TITLE OF INVENTION: No. 6387690e1 Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESSES:  
ADDRESS: No. 63876900 No. 6387690disk of No. 6387690th America, Inc.  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/229,911A  
FILING DATE: 13-Jan-1999  
CLASSIFICATION: <Unknown>

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/651,136  
FILING DATE: 21-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366,200-US

## TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:

LENGTH: 1423 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 110..1156  
SEQUENCE DESCRIPTION: SEQ ID NO: 9:

US-09-229-911A-9  
Query Match 17.8%; Score 207.4; DB 4; Length 1423;  
Best Local Similarity 60.1%; Pred. No. 4,5e-54;  
Matches 365; Conservative 0; Mismatches 236; Indels 6; Gaps 1;

QY 547 TCTGGAGATGATGCTTCCCAACTGCTTATTTGGGATTTGTTAAAGCTTCTGCACTGCGCT 606  
DB 173 TCGGCAAGGCGACACCAACCGCTACTGGGATTTGCTGCAAGACTTGGCGATGGAG 232  
QY 607 GGAAGAAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 666  
DB 233 GGCAGGCAATCCGCTCTCCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 292  
QY 667 GATGCCAATGCTCAAGGCTGTTGAACGCTGTTAATGTTGATGTTGAACAACAACAA 726  
DB 293 GATGCCAAGCCCAAGGCGGCTGCGACGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 352  
QY 727 CCTGGGCTGCTCAATGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 786  
DB 353 CTTGGGCGGCTGAGCGAGGACCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 412  
QY 787 AACGAAGCTGATGATGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 846  
DB 413 ACTGAGGGGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 472  
QY 847 GGAAGAAGATGATGTTTCAAGTTACCAACCGGCGGATTTAGGCTTCAACTT 906  
DB 473 GGCAGAGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 532  
QY 907 GATTTCGAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 966  
DB 533 GACCTGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 592  
QY 967 GCTCCCAATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1026  
DB 593 CAACCTTCTCCGCGC-----GAGCTTACGAGGATGTTTCTCCGCTTCAATGCT 646  
QY 1027 TCTCTTCCCTGCTGCTTCAAGCTGCTGTTTAAATGAGATTCACTGTTCAAGAACTCT 1086  
DB 647 GGCATGCGCGAGCTCTTGAAGAAGCGTTGCGATGGGCTTGCAGCTGTTCAAGAACTCA 706  
QY 1087 GATTAACCTTACATGATGCTTCAAGAAAGTTACCTGCTGCTGCTGCTGCTGCTGCTGCT 1146  
DB 707 GACCAACCTTGACATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 766  
QY 1147 GGTTCGCG 1153  
DB 767 GGGTGGC 773

## RESULT 11

US-09-189-060B-71  
Sequence 71, Application US/09189060B  
Patent No. 6270968

## GENERAL INFORMATION:

APPLICANT: Dalboge, Henrik  
APPLICANT: Sandil, Thomas  
APPLICANT: Kauppinen, Markus  
APPLICANT: Borge, Diderichsen

TITLE OF INVENTION: Method Of Providing No. 6270968e1 DNA Sequences  
FILE REFERENCE: 4772.204-US  
CURRENT APPLICATION NUMBER: US/09/189,060B  
CURRENT FILING DATE: 1998-11-10

PRIOR APPLICATION NUMBER: PCT/DK97/00216  
PRIOR FILING DATE: 1997-05-12  
NUMBER OF SEQ ID NOS: 74  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 71  
LENGTH: 912  
TYPE: DNA  
ORGANISM: Hybrid  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (1)...(912)  
US-09-189-060B-71

Query Match 17.5%; Score 204; DB 4; Length 912;  
Best Local Similarity 60.2%; Pred. No. 3.8e-53;  
Matches 377; Conservative 0; Mismatches 240; Indels 9; Gaps 2;

QY 527 AGGTCATCTCGGGGTAATCTGCGAGTGGTTCACACCTCTTATTGGATTGTGTA 586  
DB 41 AGGTGCGGCGACCTGCTTTCCTGCTGATGCGAGTCCAGAGTATTGGATTGTGCA 100  
QY 587 AAGCTTCTTGACGTGGCTGGAAGCTTGTCACTGCTCTTGAACCTGTGCT 646  
DB 101 AGCGGTATGCTGTGCTCGGCAAGGCTCAGTGTATCTCCGTGCAACTGTGACG 160  
QY 647 CCAATGATCTCTTTATTAGATCCCAATGCTCAAAGTGTGTAACGGTGTATGCTT 706  
DB 161 CAAACACTCGCCGCTGTCGACGTCGCAAGAGTGTGCTGCAATGAGGCTGCTT 220  
QY 707 TCATGTGTAACAACAACCACTTGGGCTGTCAATGATGAGTCTTACGGTTGCTG 766  
DB 221 ACACCTGTGTAACAACAAGCGGCTTGGGCTGTAAAGATTAACCTCTTATGTTGCGG 280  
QY 767 CTGCTCTATTGCTGGCTTCAACAAGTGTGTTGCGCTTATGATTTGACT 826  
DB 281 CCACAGCTATCAATGCGCGACGAGTCTAGCTGTGCTGATGCTCAAGTTGACTT 340  
QY 827 TCACCTTGGGCGCTCTTCTGGAAGAAGATGTTGTTCAAGTTACCAACACCGGTGCG 886  
DB 341 TCACAGGCGACCTGCTTCTGGAAGAAGTGTGTTCAATCAACCAACCGGTGCG 400  
QY 887 ATTTAGGCTTAACAACCTTGTGTAATGCAATGCCGCTGTGCTTGTGATCTTCAATG 946  
DB 401 ATCTCTTAACAACAACCTTGTGTAATGCAATGCCGCTGTGCTTGTGATCTTCAATG 460  
QY 947 GGTGTGCTGCTCAATGCGGCGCTCCCAATGATGCTGCGGAGCTATGATGCTGTCA 1006  
DB 461 GGTGTGCTGCTCAATGCGGCGCTCCCAATGATGCTGCGGAGCTATGATGCTGTCA 511  
QY 1007 GCTGTGCTGCTCAATGCGGCGCTCTTCTGCTGCTTCAAGCTGTGTTGAATGAGAT 1066  
DB 512 CATCAAGGAGCAATGCGCAAAATGCAATGCAATGCAAGGAGGCTGCTTATGCGCT 571  
QY 1067 TCAACTGCTTCAAGAACTGTGTAACCTTAACCAATGCAAGGAGTTACTGTCTG 1126  
DB 572 TCATGTTGTTCAAGAAAGCGGACCAATCCAGCTTCAAGCTTCCGTCAAGTTCAGTCCAG 631  
QY 1127 CTGAATTAACCTGCTCAGTTGC 1152  
DB 632 CCGAGCTGCTGCTGCGACCGGATGC 657

RESULT 12  
US-09-189-060B-67  
Sequence 67, Application US/09189060B  
PATENT INFORMATION:  
GENERAL INFORMATION:  
APPLICANT: Dalboge, Henrik  
APPLICANT: Sandal, Thomas  
APPLICANT: Kaupinen, Markus  
APPLICANT: Borge, Diderichsen  
TITLE OF INVENTION: Method Of Providing No. 6270968e1 DNA Sequences  
FILE REFERENCE: 4772.204-US

CURRENT APPLICATION NUMBER: US/09/189,060B  
CURRENT FILING DATE: 1998-11-10  
PRIOR APPLICATION NUMBER: PCT/DK97/00216  
PRIOR FILING DATE: 1997-05-12  
NUMBER OF SEQ ID NOS: 74  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 67  
LENGTH: 919  
TYPE: DNA  
ORGANISM: Hybrid  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (2)...(919)  
US-09-189-060B-67

Query Match 17.4%; Score 202.8; DB 4; Length 919;  
Best Local Similarity 59.1%; Pred. No. 9e-53;  
Matches 370; Conservative 0; Mismatches 247; Indels 9; Gaps 1;

QY 527 AGGTCATCTCGGGGTAATCTGCGAGTGGTTCACACCTCTTATTGGATTGTGTA 586  
DB 48 AGGTGCGGCGACCTGCTTTCCTGCTGATGCGAGTCCAGAGTACTGGATTGTGTA 107  
QY 587 AAGCTTCTTGACGTGGCTGGAAGCTTGTCACTGCTCTTGAACCTGTGCT 646  
DB 108 AGCGGTATGCTGTGCTCGGCAAGGCTCAGTGTATCTCCGTGCAACTGTGACGA 167  
QY 647 CCAATGATCTCTTTATTAGATCCCAATGCTCAAAGTGTGTAACGGTGTATGCTT 706  
DB 168 AGAAGCAACAACCACTTCCGACGCAAGCGCTGAGGCTGTGCAACGCGGCACTTCT 227  
QY 707 TCATGTGTAACAACAACCACTTGGGCTGTCAATGATGAGTCTTACGGTTGCTG 766  
DB 228 ACACCTGTGTAACAACAAGCGGCTTGGGCTGTAAAGATTAACCTCTTATGTTGCGG 287  
QY 767 CTGCTCTATTGCTGGCTTCAACAAGTGTGTTGCGCTTATGATTTGACTT 826  
DB 288 CTACCAAGCTCTGAGGCTCCGATGCTGAGTGTGCTGCTTCAAGCTTCACT 347  
QY 827 TCACCTTGGGCGCTGCTTCTGGAAGAAGATGTTGTTCAAGTTACCAACCGGTGCG 886  
DB 348 TTACAGCTGCGCCGTAAGAGGCAACCAATGCTGTATGATGCTCAACCAACCGGAGG 407  
QY 887 ATTTAGGCTTAACAACCTTGTGTAATGCAATGCCGCTGTGCTTGTGATCTTCAATG 946  
DB 408 ATCTGCTTAACAACAACCTTGTGTAATGCAATGCCGCTGTGCTTGTGATCTTCAATG 467  
QY 947 GGTGTGCTGCTCAATGCGGCGCTCCCAATGATGCTGCGGAGCTATGATGCTGTCA 1006  
DB 468 GGTGTGCTGCTCAATGCGGCGCTCCCAATGATGCTGCGGAGCTATGATGCTGTCA 518  
QY 1007 GCTGTGCTGCTCAATGCGGCGCTCTTCTGCTGCTTCAAGCTGTGTTGAATGAGAT 1066  
DB 519 GGTGCGAAGGAGTGTGCAAGCTTCCGAGTGTCAAGGAGGCTGTACTGCGCT 578  
QY 1067 TCAACTGCTTCAAGAACTGTGTAACCTTAACCAATGCAAGGAGTTACTGTCTG 1126  
DB 579 ACAGTGTGTTCAAGAAAGCGGACCAATCCAGCTTCAAGCTTCCGTCAAGTTCAGTCCAG 638  
QY 1127 CTGAATTAACCTGCTCAGTTGC 1152  
DB 639 CCGAGCTGCTGCTGCGACCGGATGC 664

RESULT 13  
US-09-189-060B-69  
Sequence 69, Application US/09189060B  
PATENT INFORMATION:  
GENERAL INFORMATION:  
APPLICANT: Dalboge, Henrik  
APPLICANT: Sandal, Thomas  
APPLICANT: Kaupinen, Markus  
APPLICANT: Borge, Diderichsen

```

; TITLE OF INVENTION: Method Of Providing No. 6270968e1 DNA Sequences
; FILE REFERENCE: 4772.204-US
; CURRENT APPLICATION NUMBER: US/09/189,060B
; CURRENT FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: PCT/DK97/00216
; PRIOR FILING DATE: 1997-05-12
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 69
; LENGTH: 924
; TYPE: DNA
; ORGANISM: Hybrid
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(924)
US-09-189-060B-69
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Query Match      17.2%; Score 200.6; DB 4; Length 924;
Best Local Similarity 59.8%; Pred. No. 4.3e-52;
Matches 376; Conservative 0; Mismatches 244; Indels 9; Gaps 2;
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QY 527 AGGTATCTCTGCGGTAATCTGCAAGTGTTCACAACTGTTATGGATTGTGA 586
    |||||
DB 47 AGGTGCGGCACCTGCTTTCGCTGATGACAGTTCACAGATCTGGATTGCTGCA 106
    |||||
QY 587 AAGCTTCTGCAAGCTGCGTGAAGAAAGCTTCTGCACTGCTGTTGACACCTGCGCT 646
    |||||
DB 107 AAGCTTCTGCTTCTTGGGGGGAAGAGCTGCTGACGCGCTGCTTGAACCTGTGA 166
    |||||
QY 647 CCAATGTAATCTTATTATAGATGCAATGCTCAAGATGATGTA---CGTGTATATG 703
    |||||
DB 167 AGAAGACAAACCCATCTCAACCTGACGTGTCAAGCTGTGAGGGTGGTGTCTTG 226
    |||||
QY 704 GTTTCATGTGTACAAACAACCACTTGGCTGTCAATGATGATGCTGCTTACGTTTG 763
    |||||
DB 227 CATTCCCTGACCAACATCTCTCTTGGGCGGTCAATGACAACTTGCTTACGCTTG 286
    |||||
QY 764 CTGCTGCTCTATGCTGCTGCTCAAGAGCTGATGATGATGCTGCTGTTATGATGA 823
    |||||
DB 287 CTGCAACCAAGCTTGGCGGTGCTCCAGAGGTAGCTGCTGCTGCTTACGACCTTA 346
    |||||
QY 824 CCTTCACTTCTGCGCTGCTTCTGGAAGAAGATGCTTCAAGTTACCAACCGGTG 883
    |||||
DB 347 CCTTCAACCAAGCTTCCGTCAGAGGTAAAGCAATGCTGCTGCTCAACCAACGTGAG 406
    |||||
QY 884 GCGATTAGGCTTAAACCACTTGAATTTGCAATGCCCGGTGCTGCTGATCTTCA 943
    |||||
DB 407 GCGACCTCGGTGACCAACCTTGAATCTATGATGCTGCTGCTGCTGCTGATCTTG 466
    |||||
QY 944 ATGGCTGCTGCTGCAATGGGGGCTCCCAATGATGCTGCGAGCTAGATATGATGATG 1003
    |||||
DB 467 ACGGTGCACTTCTCAAGTTCCG-----CAAGGCTTCTGCTGCTGCTGCTGCTG 520
    |||||
QY 1004 TCACTCTGCTCTGATGCTGCTCTCTTCTGCTCTTCAAGCTGCTTGAATGGA 1063
    |||||
DB 521 TCTCCCTCCGAAGCGAGTGGAAGCTTCCCTGAGCTCTCAAGAGCGGTGCAATGG 580
    |||||
QY 1064 GATTCACTGCTTCAAGAACTGATTAACCTTACATGACCTTCAAGAGAACTTACTGTC 1123
    |||||
DB 581 GCTTCACTGCTTCAAGAAAGCGAGCAATCGAGCTTCAAGCTTCCGTCAGTCCAGTGC 640
    |||||
QY 1124 CTGCTGAATTAATCTACTGCTGCTGAGTTGC 1152
    |||||
DB 641 CAGCCGAGCTGCTGCTGCTGCAACCGAGTGC 669
    |||||
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RESULT 14
US-09-189-060B-73
; Sequence 73, Application US/09189060B
; Patent No. 6270968
; GENERAL INFORMATION:
; APPLICANT: Dalboge, Henrik
; APPLICANT: Sandal, Thomas
```

```

; APPLICANT: Kaupinen, Markus
; APPLICANT: Boire, Diderichsen
; TITLE OF INVENTION: Method Of Providing No. 6270968e1 DNA Sequences
; FILE REFERENCE: 4772.204-US
; CURRENT APPLICATION NUMBER: US/09/189,060B
; CURRENT FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: PCT/DK97/00216
; PRIOR FILING DATE: 1997-05-12
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 73
; LENGTH: 922
; TYPE: DNA
; ORGANISM: Hybrid
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (2)...(922)
US-09-189-060B-73
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Query Match      16.2%; Score 188; DB 4; Length 922;
Best Local Similarity 57.5%; Pred. No. 3.4e-48;
Matches 360; Conservative 0; Mismatches 260; Indels 6; Gaps 1;
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QY 527 AGGTATCTCTGCGGTAATCTGCAAGTGTTCACAACTGTTATGGATTGTGA 586
    |||||
DB 48 AGGTGCGGCACCTGCTTTCGCTGATGACAGTTCACAGATCTGGATTGCTGTA 107
    |||||
QY 587 AAGCTTCTGCAAGCTGCGTGAAGAAAGCTTCTGCACTGCTGTTGACACCTGCGCT 646
    |||||
DB 108 AAGCTTCTGCTTCTTGGGGGGAAGAGCTGCTGACGCGCTGCTTGAACCTGTGA 167
    |||||
QY 647 CCAATGTAATCTTATTATAGATGCAATGCTCAAGTGTGTAACGTTGTAATGTT 706
    |||||
DB 168 CCGCAACAGCCCTCGCGGACCCCTGCGCAAGCTGCTGCTGCTGCTGCTGCTGCT 227
    |||||
QY 707 TCATGTGTAAACAACAACCACTTGGCTGTCAATGATGATGCTGCTTACGTTTCTG 766
    |||||
DB 228 AAGCTGCGCAACATCAACAGCGGTGAGTCAAGCAAGCTGCTGCTGCTGCTGCTG 287
    |||||
QY 767 CTGCTCTATGCTGCTGCTCAACGAAGTGTGCTGCTGCTGCTGCTGCTGCTGCT 826
    |||||
DB 288 CCAGCGCCATCAACCGCGGCTCCAGAGCTGCTGCTGCTGCTGCTGCTGCTGCT 347
    |||||
QY 827 TCATGCTGCGGCTGCTTCTGGAAGAAGATGCTTCAAGTTACCAACCGGTG 886
    |||||
DB 348 TCACGACCGCGGCTGCTGCGCAAGACCATATGCTCAATGCTCAACCAACCGGTG 407
    |||||
QY 887 ATTAGGCTCTAACCACTTGAATTTGCAATGCCCGGTGCTGCTGCTGCTGCTGCT 946
    |||||
DB 408 AACTGTCGACAAACCACTTGAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 467
    |||||
QY 947 GCTGCTGCTCTCAATGGGGGCTCCCAATGATGCTGCGAGCTAGATATGATGATG 1006
    |||||
DB 468 GCTGCACTCTCCAGTAACCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 521
    |||||
QY 1007 GCTGCTGCTCTGATGCTGCTCTCTTCTGCTCTTCAAGCTGCTTGAATGGAAT 1066
    |||||
DB 522 GCTCCCGCGCGAGTGGAAGCTTCCCTGAGCTCTCAAGAGCGGTGCAATGG 581
    |||||
QY 1067 TCACTGCTTCAAGAACTGATTAACCTTACATGACCTTCAAGAGAACTTACTGTC 1126
    |||||
DB 582 AAGATTGCTTAAAGAAAGCGAGCAATCGAGCTTCAAGCTTCCGTCAGTCCAGTGC 641
    |||||
QY 1127 CTGAATTAATCTACTGCTGCTGAGTTGC 1152
    |||||
DB 642 CCGAGCTGCTGCTGCTGCAACCGAGTGC 667
    |||||
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```

RESULT 15
US-09-189-060B-65
; Sequence 65, Application US/09189060B
; Patent No. 6270968
; GENERAL INFORMATION:
```

```
APPLICANT: Dalboge, Henrik
APPLICANT: Sandal, Thomas
APPLICANT: Kaupinen, Markus
APPLICANT: Borge, Diderichsen
TITLE OF INVENTION: Method Of Providing No. 627096861 DNA Sequences
FILE REFERENCE: 4772.204-US
CURRENT APPLICATION NUMBER: US/09/189,060B
PRIOR FILING DATE: 1998-11-10
CURRENT APPLICATION NUMBER: PCT/DK97/00216
PRIOR FILING DATE: 1997-05-12
NUMBER OF SEQ ID NOS: 74
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO: 65
LENGTH: 922
TYPE: DNA
ORGANISM: Hybrid
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(922)
US-09-189-060B-65
```

```
Query Match 16.0%; Score 186.8; DB 4; Length 922;
Best Local Similarity 57.5%; Pred. No. 8e-48;
Matches 360; Conservative 0; Mismatches 257; Indels 9; Gaps 1;
```

```
OY 527 AGTCATCTCTGCGCGTAAATCTGAGTGTCCACAACCTGTTATTTGGATTGTGTA 586
    |||||
DB 47 AGCTCGCGGACACTGCTTCCCTGTATGGCAGGTCCAGCGGTACGGATTGTGTA 106
    |||||
OY 587 AAGCTTCTTGAGCTGCGCTGGAAGCTTCTGATCGTCTGTTGACACCTGTGCT 646
    |||||
DB 107 AGCCGTCGTGCTCGGCGCCGCAAGGCGCTGTGAACCAACGCCGTACGCCGCAAG 166
    |||||
OY 647 CCAATGATCTCTTTATTAATGATGCAATGCTCAAGTGTGTAACGCTGATGTT 706
    |||||
DB 167 CAAATCTCAGCGATCACCAAGCCCAAGCCCAAGCTCGGCTGCGATGCGGCTCGCT 226
    |||||
OY 707 TCATGTGAACAACAACAACCTTGGGCTGTCAATGATGAGCTGCTTACGGTTTCGCTG 766
    |||||
DB 227 TCTCTGGCGCGACAGACCCGTTGGCGGTGAGGAGACGACTTGGCTTACGGTTTCGCGG 286
    |||||
OY 767 CTGCTTATTTGCTGCTCCAAAGAGCTGATGCTGTTGCTGTTGATGATTTGACT 826
    |||||
DB 287 CTACGCGCTGCGCGCGAGTCCGAGTCTGTGCTGCTGCTGCTACGAACTCACCT 346
    |||||
OY 827 TCACCTTGGGCGCTGCTTCTGGAAGAAGATGTTGTTCAAGTTACCAACACCGGTGCG 886
    |||||
DB 347 TCACCTTGGGCGCGCTGCTGCAAGAAAGATGCTGCTCAAGTCCACGCACTGGCGGTG 406
    |||||
OY 887 ATTAGGCTTAACCACTTTGATTTGCAATGCCCGGTGCTGCTGTTGATCTTCAATG 946
    |||||
DB 407 ACCCTGGTGAACAACCACTTTGACTCAACATGCCAGTGGCGGTGTCCGCACTTCGACG 466
    |||||
OY 947 GGTGCTGCTCAATGAGGCGCTCCCAATGATGGCTGGGGAAGCTAGATATGGTGTGCA 1006
    |||||
DB 467 GCTGCTCGCTCAGGTGGCGGTG-----TGCGGCGCAGGCTATGGCGGCTGT 517
    |||||
OY 1007 GCTCTGCTCTGACTGCTGCTCTCTTCCCTGCTCTTCAAGCTGTTGTAATGAGAT 1066
    |||||
DB 518 CGTCCGCGAGCAATGCCGCTCTTCCCGCGGCACTCAAGCCGCGCTGCTACTGGCGCT 577
    |||||
OY 1067 TCACTGTTCAGAACTGTGATTAACCTTAACATGACTTCAAGAAAGTTACCTGCTG 1126
    |||||
DB 578 ACGACTGTGTTAAGACCGCGAATCCGAGCTTCAGCTTCGTCAGGTCCAGTCCAG 637
    |||||
OY 1127 CTGAATTACTAGCTGCTCAGGTTGC 1152
    |||||
DB 638 CCGAGCTGCTGCTGCGACCGGATGC 663
    |||||
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Job time : 65.972 secs